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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/737,409	12/15/2000	Seong-Beom Hong	678-567 (P9644)	8811

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EXAMINER

IQBAL, KHAWAR

ART UNIT PAPER NUMBER

2686

DATE MAILED: 10/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/737,409

Applicant(s)

HONG, SEONG-BEOM

Examiner

Khawar Iqbal

Art Unit

2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All   b) ☒ Some \*   c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-5,7-11 are rejected under 35 U.S.C. 102(e) as being unpatentable by Sonnenschein et al (6125080).

3. Regarding claim 1 Sonnenschein et al teaches a device for transmitting SOS signals in a mobile telecommunication terminal, comprising (abstract):

a memory for storing code signals of a format corresponding to each of a plurality of SOS phrases (col. 2, lines 41-64);

a user interface for selecting one of the SOS phrases stored in the memory of the mobile telecommunication terminal ((col. 2, lines 41-64, col. 6, lines 55-67, col. 11, line 40-col. 12, line 4);

a control section for selecting the stored code signal corresponding to the selection of the user (col.6, lines 55-67);

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a frequency generation section for generating a local oscillating frequency signal of a predetermined bandwidth (col.4, lines 4-18, col. 9, lines 3-35, col. 7, lines 27-49); and

a frequency modulation section for modulating a frequency of the selected code signal of the corresponding format by inputting the local oscillating frequency signal of the predetermined bandwidth, and transmitting the modulated signal (col. 3, line 64-col. 4, line18, col. 9, lines 3-35, col. 7, lines 27-49).

Regarding claim 7 Sonnenschein et al teaches a method of transmitting SOS signals in a mobile telecommunication terminal, comprising the steps of (abstract):

converting each of a plurality of SOS phrases stored in the mobile telecommunication terminal to code signals of a corresponding format (col. 2, lines 41-65, col. 7, lines 27-49);

storing the SOS phrases and the corresponding converted codes as a convert table in a memory (col.11, lines 40-67, col. 6, lines 55-67);

displaying a menu for selecting one of the SOS phrases upon entry into an SOS service mode (col. 2, line41-65, col. 6, line 55-col. 7, line 5, col. 7, lines 20-26);

modulating the code signal of the corresponding one of the SOS phrases selected by the user from the menu into a frequency of corresponding bandwidth; and transmitting the modulated signal (col. 4, lines 4-19, col. 7, lines 27-49).

Regarding claims 2 and 8 Sonnenschein et al teaches wherein the user interface provides a sentence editing function for editing the SOS phrases (col. 11, line 40-col. 12, line 5).

Regarding claims 3 and 9 Sonnenschein et al teaches wherein the frequency bandwidth is a bandwidth used by rescue teams (col. 3, lines 53-col. 4, line 18, col. 12, lines 55-67).

Regarding claims 4 and 10 Sonnenschein et al teaches wherein the frequency bandwidth is a high frequency bandwidth (col. 3, lines 5-11).

Regarding claims 5 and 11 Sonnenschein et al teaches wherein the frequency generation section generates a predetermined frequency allotted for an SOS service in the mobile telecommunication terminal (col. 3, line 53-col. 4, line 18, col. 9, lines 3-35).

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 6 and 12 rejected under 35 U.S.C. 103(a) as being unpatentable over Sonnenschein et al (6125080) and further in view of Hudecek et al (6289207).

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Regarding claims 6 and 12 Sonnenschein et al does not specifically teach wherein the code of the corresponding format is Morse code. Sonnenschein et al teaches the communication device includes a demodulator for demodulating received modulated signals to produce a demodulated string. A decoder is used for decoding a message from the demodulated string. A display displays a received message and an identification code of a transmitter.

In an analogous art, Hudecek et al teaches wherein the code of the corresponding format is Morse code (col. 18, lines 1-14). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Sonnenschein et al by specifically adding features in order to enhance system performance of the code of the corresponding format is Morse code purpose of increasing the efficiency of system as taught by Hudecek et al.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Montague (US 20020026266), Ishijima et al (6061020), Reynolds (5929777), Biahop et al (5563931) and Slavin (5355140) teach SOS messages Tm/Rx.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAWAR IQBAL whose telephone number is 703-306-3015.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **BANKS-HAROLD, MARSHA**, can be reached at 703-305-4379.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231


**or faxed to:**

**(703) 872-9314 (for Technology Center 2684 only)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

**Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.**

Khawar Iqbal



**CHARLES APPIAH  
PRIMARY EXAMINER**